

IN THE CLAIMS:

Please amend the claims as follows:

1. (Cancel)

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2. (Currently amended) The electroacoustic ~~transducer~~ microphone according to claim ~~±~~ 12, wherein the electrostrictive elements are piezoelectric elements.

3. (Currently amended) The electroacoustic ~~transducer~~ microphone according to claim ~~±~~ 12, operating electrostatically and comprising a diaphragm and an electrode, wherein the electrode is the electrostrictive ~~or magnetostrictive~~ element.

4. (Currently amended) The electroacoustic ~~transducer~~ microphone according to claim ~~±~~ 12, operating electrostatically and comprising an electrode and a diaphragm with an annular spacer securing the diaphragm and the electrode at a spacing from one another, wherein the annular spacer is the electrostrictive ~~or magnetostrictive~~ element.

5. (Currently amended) The electroacoustic microphone ~~transducer or electroacoustic capsule~~ according to claim ~~±~~ 12,

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operating electrostatically and functioning as a microphone, further comprising a control loop configured to determine a voltage supplied to the electrostrictive ~~or magnetostriuctive~~ element to compensate manufacturing tolerances and temperature effects having a negative effect on the spacing between the electrode and the diaphragm, wherein the electroacoustic transducer or electroacoustic capsule has a capacitance providing a parameter for the control loop for determining the voltage supplied to the electrostrictive ~~or magnetostriuctive~~ element.

6. (Currently amended) The electroacoustic ~~transducer~~ microphone or electroacoustic capsule according to claim 1 12, operating electrostatically and functioning as a microphone, comprising a sound receiver arranged between a main source of sound and the microphone and determining a sound level, wherein values of the sound level measured by the sound receiver are employed for controlling a voltage supplied to the electrostrictive ~~or magnetostriuctive~~ element.

7. (Currently amended) The electroacoustic ~~transducer~~ microphone or electroacoustic capsule according to claim 1 12, having at least one sound inlet comprising an electroacoustic friction pill arranged in the area of the sound inlet, wherein the friction pill is comprised of two plates of electrostrictive

~~or magnetostrictive~~ material having edges, wherein on the edges of the plates small openings are provided, wherein the plates are metal-coated on their top and bottom sides and have an electrical contact, wherein the plates are electrically connected in series.

A2 8. (Currently amended) The electroacoustic ~~transducer~~ microphone according to claim 7, wherein the electrostrictive elements are piezoelectric elements.

9. (Currently amended) The electroacoustic microphone ~~transducer or electroacoustic capsule~~ according to claim \pm 12, comprising a sound passage, wherein the electrostrictive ~~or magnetostrictive~~ elements release or cover the sound passage as a function of the dimensional changes of the electrostrictive ~~or magnetostrictive~~ elements.

10. (Currently amended) The electroacoustic transducer or electroacoustic capsule according to claim \pm 12, comprising a first hollow space and a second hollow space, wherein the electrostrictive ~~or magnetostrictive~~ elements connect or separate the first and second hollow spaces as a function of the dimensional changes of the electrostrictive ~~or magnetostrictive~~ elements.

11. (Currently amended) The electroacoustic ~~transducer or~~
~~electroacoustic capsule~~ microphone according to claim ~~±~~ 12,
comprising a component with a channel, wherein the
electrostrictive ~~or magnetostrictive~~ elements release or cover
the channel of the component as a function of the dimensional
changes of the electrostrictive ~~or magnetostrictive~~ elements.

12. (New) An electroacoustic microphone, comprising an
electrode and a diaphragm connected to a microphone amplifier via
electrical contacting, said electrostatic microphone comprising
at least one electrostrictive element connected to a second
electrical circuit, said second electrical circuit being
independent from the electrical contacting of the electrode and
diaphragm, and further comprising a controllable power supply for
applying a predetermined voltage to the electrostrictive element
such that the electrostrictive element changes its geometry and
the acoustic properties of the electrostatic microphone.